AS 1026—1992

Australian Standard®

Electric cables—Impregnated paper insulated—Working voltages up to and including 33 kV



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PREFACE

This Standard was prepared by the Standards Australia Committee on Electric Wires and Cables to supersede AS 1026—1973, *Impregnated paper insulated cables for electricity supply at working voltages up to and including 33 kV.*

In the preparation of this Standard, consideration was given to IEC 55 Parts 1 and 2* and to BS 6480†. The Standards Australia Committee concurs with the comment in the Foreword of BS 6480 that, because of different local and regional requirements, it has not been possible to adopt the IEC Publication as a national Standard. Consequently, the construction and voltage ratings of cables in the Australian Standard are identical with corresponding cables in BS 6480.

Acknowledgement is made of the assistance received from BS 6480 and IEC 55.

This Standard differs from the 1973 edition as follows:

- (a) Aluminium-sheathed cables, steel-tape armoured cables and solid aluminium conductor cables have been deleted.
- (b) Pre-impregnated types of cables have been deleted.
- (c) Only one lead alloy sheath is specified.
- (d) The range of cable sizes has been increased and 35 mm² cables added in some tables.
- (e) 11/11 kV screened cables have been added.
- (f) High density polyethylene (HDPE) has been added as an alternative to polyvinyl chloride (PVC) for the non-metallic sheath material.
- (g) Methods of test for paper insulation in AS 1660 have been replaced by IEC 554–2 and Appendix E.

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^{*} IEC 55.1 Paper–insulated metal–sheathed cables for rated voltages up to 18/30 kV (with copper or aluminium conductors and excluding gas–pressure and oil–filled cables) Part 1: Tests.

IEC 55.2 Paper-insulated metal-sheathed cables for rated voltages up to 18/30 kV (with copper or aluminium conductors and excluding gas-pressure and oil-filled cables) Part 2: General and construction requirements.

[†] BS 6480 Impregnated paper–insulated lead or lead alloy sheathed electric cables of rated voltages up to and including 33 000 V.

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